Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/10/2019 10:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124786	-1	2.70	124933	2.71
Blue	F	SSC	125000	125048	0	1.62	125835	1.61
Blue	E	FITC	16122	15937	-2	3.02	347	19.98
Blue	D	PE	29316	28848	-2	2.43	629	14.58
Blue	B	PerCP-Cy5-5	42590	42263	-1	3.88	1140	20.42
Blue	A	PE-Cy7	33146	33532	1	6.30	646	39.14
Red	C	APC	45473	45254	-1	2.65	1602	12.31
Red	A	APC-Cy7	31961	31167	-3	2.62	824	12.07
Violet	B	V450	7914	7498	-6	4.06	420	13.29
Violet	A	V500	29769	28316	-5	3.83	660	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21356	4.24	607	7	N/A	N/A	Pass
Blue	F	SSC	56654	1.40	552	14	N/A	N/A	Pass
Blue	E	FITC	63	67.07	541	4	0.0215	253	Pass
Blue	D	PE	131	51.12	542	5	0.1866	354	Pass
Blue	B	PerCP-Cy5-5	209	50.13	644	6	0.0090	64	Pass
Blue	A	PE-Cy7	122	98.84	699	8	0.0120	27	Pass
Red	C	APC	378	25.34	588	9	0.0234	106	Pass
Red	A	APC-Cy7	182	29.26	564	8	0.0056	1187	Pass
Violet	B	V450	64	61.58	462	2	0.0516	2254	Pass
Violet	A	V500	99	35.58	474	2	0.0220	970	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.22	-31.75	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.61	13.60 - 20.40	N/A	N/A	29.35	29.72	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9650

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments